

Trade and Industrial Education**Course: Graphic Communications Production****Course Code # 5761****School Year** _____**Term:** ___ Fall ___ Spring

2 - 4 Credits, Standards 1 through 7 plus safety 1-3 apply for 2 credits. Standards 8 through 13 plus safety apply for 2 additional credits. Standards 8 through 13 cover advanced digital image preparation and advance press standards and skills required by PrintED certification. Students focused on a career in graphic communications press operations will be exposed to the additional 2 credits covered in standards 8 through 13.

Student:	Grade:
Teacher:	School:
Number of Competencies in Course: 58	
Number of Competencies Mastered:	
Percent of Competencies Mastered:	

Standard 1.0: Students will demonstrate leadership, citizenship, and teamwork skills required for success in the school, community, and workplace.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Incorporate positive leadership skills in school, community, and work related activities.			
1.2	Participate in SkillsUSA-VICA as an integral part of the classroom instruction.			
1.3	Assess situations in the printing industry and develop a presentation offering solutions or improvement.			

Standard 2.0: Students will employ advanced industry skills in digital image preparation.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1	Evaluate basic design and type principles.			
2.2	Use appropriate software for page design and layout.			
2.3	Diagram digital image preparation equipment.			
2.4	Operate all digital image preparation equipment.			
2.5	Output correct material for production of printed piece.			
2.6	Incorporate safety rules and procedures.			

STANDARD 3.0: Students will employ advanced industry skills in image assembly/platemaking.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Employ skills needed to prepare layout-masking sheet.			
3.2	Demonstrate film assembly and stripping skills.			
3.3	Operate platemaking equipment.			
3.4	Incorporate safety rules and procedures.			

STANDARD 4.0: Students will employ advanced industry skills in press operations.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Demonstrate plate-handling skills.			
4.2	Analyze various types of paper.			
4.3	Compare various press setups.			
4.4	Demonstrate press operations on single and multi-color work.			
4.5	Perform major cleanup and preventive maintenance.			
4.6	Incorporate safety rules and procedures for press operation.			

STANDARD 5.0: Students will employ advanced industry skills in finishing and bindery operations.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Demonstrate finishing and binding operations.			
5.2	Perform padding operations.			
5.3	Incorporate safety rules and regulations for finishing and binding operations.			

STANDARD 6.0: Students will demonstrate interpersonal and employability skills required in the printing industry.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Demonstrate employability skills such as pride in work and individual responsibility.			
6.2	Demonstrate job retention skills.			
6.3	Compare career paths within the printing industry.			

STANDARD 7.0: Students will apply math skills to the printing industry.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	Analyze cost awareness factors pertaining to the printing industry.			
7.2	Evaluate practices for waste management in the printing industry.			
7.3	Estimate costs of printing projects.			
7.4	Calculate costs pertaining to various stations of the printing station.			

STANDARD 8.0: Students will employ advanced industry skills book image layout.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
8.1	Evaluate correct layout for type or book assembled.			
8.2	Create various components needed to layout different type books.			
8.3	Analyze identified problems involved with book layout.			

STANDARD 9.0: Students will employ advanced industry skills in multiple placement image properties.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
9.1	Evaluates skills needed to prepare layout-masking sheet.			
9.2	Demonstrate various imposition systems.			
9.3	Demonstrate step & repeat using pin registration system.			
9.4	Incorporates safety rules and procedures.			

STANDARD 10.0: Students will employ advanced industry skills, in multiple color image preparation.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
10.1	Describe and demonstrate the methods used to create trap.			
10.2	Assemble a job using complementary flats.			
10.3	Describe and demonstrate the methods used to create flat colors using screens.			
10.4	Describe color theory.			
10.5	Describe the methods of screen angling as used in process color assembly.			
10.6	Strip a process color job using composite film.			
10.7	Produce a multi-colored proof.			
10.8	Incorporate safety rules and procedures for press operation.			

STANDARD 11.0: Students will employ advanced industry skills in multiple color press operations.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
11.1	Understand a variety of different impositions.			
11.2	Demonstrate knowledge of varnishes and coatings.			
11.3	Produce a 4-color process job.			
11.4	Describe and demonstrate the purpose and use of color bars.			
11.5	Understand all safety rules and practices associated with this operation.			

STANDARD 12.0: Students will apply accounting skills to the printing industry.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
12.1	Complete and implement a job schedule.			
12.2	Complete a job cost schedule.			

STANDARD 13.0: Students will apply graphic communications production knowledge and skills in a specific work-based or student initiative project learning experience.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
13.1	Apply principles of graphic communications production to a work-based or school project-based learning situation.			
13.2	Integrate time management principles in organizing personal schedule to include school, work, social, and other activities.			
13.3	Evaluate and apply principles of ethics as they relate to the work-based or school project-based learning experience.			
13.4	Employ principles of safety to the work-based or school project-based learning experience.			

Students will perform safety examinations and maintain safety records.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
Safety1	Pass with 100 % accuracy a written examination relating to safety issues.			
Safety2	Pass with 100% accuracy a performance examination relating to safety.			
Safety3	Maintain a portfolio record of written safety examinations and equipment examinations for which the student has passed an operational checkout by the instructor.			

Additional Comments _____